

		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995	
				3b. CFDA: 12.300	
4. AWARD NO.: N00014-16-1-2084		1. INSTRUMENT TYPE: Grant Award		3c. DUNS NUMBER: 052184116	
8. ACTIVITY/AGENCY PROPOSAL NO.: GRANT11994657		2. AUTHORITY: 10 USC 2358 and 31 USC 6304, as amended		7. PR NO.: 4720001295	
5. MODIFICATION NO.: P00004		6. MODIFICATION TYPE: RD		12. PROGRAM TYPE: ONR	
9. RECIPIENT PROPOSAL NO.:		10. PROPOSAL DATE: 9/11/2015		11. ACTIVITY TYPE: R&D	
13. ISSUED TO 13a. ADDRESS:		13b. CAGE: 97668		13c. ED/EFT NUMBER: N/A	
CARNEGIE MELLON UNIVERSITY 5000 FORBES AVE PITTSBURGH PA 15213-3815 UNITED STATES OF AMERICA		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):  Same as Block # 13			
13d. BUSINESS OFFICE CONTACT: JUDITH COYLE					
13e. TELEPHONE NUMBER: 412-268-5571					
13f. EMAIL ADDRESS: JCOYLE@ANDREW.CMU.EDU					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Enabling dexterous physics-based manipulation via a learning framework for shared autonomy					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:				\$538,025.00	
OBLIGATED BY THIS ACTION:				\$0.00	
TOTAL OBLIGATED ON AWARD:				\$538,025.00	
FUTURE FUNDING:				\$0.00	
GRANT TOTAL:				\$538,025.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 01/01/2016 THROUGH 06/30/2017					
19. ACCOUNTING AND APPROPRIATION DATA: See Attached Financial Accounting Data Sheet(s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: Siddhartha Srinivasa		21. TECHNICAL REPRESENTATIVE 21a. NAME: THOMAS MCKENNA		21b. CODE: 341	
		21c. ADDRESS: ONR HUMAN & BIOENGINEERED SYSTEMS 875 N. Randolph Street Arlington VA 22203-1995			
20b. TELEPHONE NUMBER: 412-268-5529		20c. EMAIL ADDRESS: ss5@andrew.cmu.edu		21d. TELEPHONE NUMBER: 703-696-4503	
				21e. EMAIL ADDRESS: TOM.MCKENNA@NAVY.MIL	
22. AWARDDING OFFICE CONTACT 22a. NAME: DIANE GALES		22b. CODE: BD025		23a. ADMINISTRATIVE OFFICE:	
22c. ADDRESS: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995				ONR REG Office Chicago Telephone: (312) 886-5423 230 South Dearborn CHICAGO IL 60604-1595	
22d. TELEPHONE NUMBER: 703-696-2593		22e. EMAIL ADDRESS: DIANE.GALES@NAVY.MIL		23b. CODE: N62880	
24. SUBMIT PAYMENT REQUEST TO:		25a. PAYING OFFICE:		25b. CODE: HQ0337	
Same as block 23a		DFAS-CO/NORTH ENTITLEMENT OPERATIONS HQ0337 PO Box 182266 COLUMBUS OH 43128		26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	
				26b. CODE: N00014	

AWARD NO. N00014-16-1-2084		<b>AWARD/MODIFICATION</b>		MODIFICATION NO. P00004	
27. SPECIAL INSTRUCTIONS: See Special Requirements on Page 5					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: <a href="http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx">http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx</a>					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.					
DOCUMENT		URL			
The following documents may be found at : <a href="http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx">http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx</a> DOD RESEARCH AND DEVELOPMENT GENERAL TERMS AND CONDITIONS (OCT 2015) UAAC ACCEPTANCE C (NOV 2003) UAWA AWARD A (NOV 2003) STANDARD TERMS/CONDITIONS FOR RESEARCH GRANTS (AGENCY SPECIFIC) (FEB 2015)					
30. OPTIONS	OPTION NO.	AMOUNT		PERIOD	
	(1)				
	(2)				
	(3)				
	(4)				
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE		COPIES	
See block #21		Final Technical Report with SF298 Performance /Technical Report ( As Required ) with SF298		1 1	
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report transmittal Letter only Performance /Technical Report ( As Required ) Final Federal Financial Status Report - SF425 - Including Line Item 11		1 1 1 1	
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Performance /Technical Report ( As Required ) with SF298		1 1	
See block #26a		Report of Inventions and Subcontracts - DD 882		1	
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Performance /Technical Report ( As Required ) with SF298		1 1	
32. FOR THE RECIPIENT:			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN			33a. SIGNATURE OF AWARDOFFICER Digitally signed by DIANE GALES 1232147012 Dated: 2017.07.19 11:21:20 EST		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER DIANE GALES		33c. DATE SIGNED 07/19/2017

# FINANCIAL ACCOUNTING DATA SHEET- NAVY

1 CONTRACT NUMBER (CRITICAL) N00014-16-1-2084		2 SPIN (CRITICAL)		3 MOD (CRITICAL) P00004		4 PR NUMBER 4720001295									
CLINISLIN	6. LINE OF ACCOUNTING										7.  AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN			
	A ACRN (CRITICAL)	B APPROPRIATION (CRITICAL)	C SUBHEAD (CRITICAL)	D OBJ CLA	E PARM	F RFM	G SA	H AAA (CRITICAL)	I IT	J PM			K COST CODE		
													PROJ UNIT	MCC	PDLI &SUF
PAGE TOTAL												\$0.00			
GRAND TOTAL												\$0.00			
PREPARED/AUTHORIZED BY						COMPTROLLER APPROVAL FOR FISCAL DATA AND SIGNATURE BY _____ DATE _____						for COMPTROLLER, ONR CONTRACT REVIEWED			
DATE															

**FINANCIAL ACCOUNTING DATA SHEET-NON-NAVY DoD ACTIVITIES**

1 CONTRACT NUMBER (CRITICAL) N00014-16-1-2084		2 SPIIN (CRITICAL)		3 MOD (CRITICAL) P00004		4 PR NUMBER 4720001295		
5 CLIN/SLIN	6 ACRN (CRITICAL)	7 ACCOUNTING CITATION				8 AMOUNT (CRITICAL)		NAVY INTERNAL LISE ONLY REF DOCIACRN
						PAGE TOTAL		
						GRAND TOTAL		
PREPARED/AUTHORIZED BY					COMPTROLLER APPROVAL FOR FISCAL DATA AND SIGNATURE			
DATE					BY _____for COMPTROLLER,ONR CONTRACT REVIEWED			

AWARD NO. N00014-16-1-2084	<b>SPECIAL REQUIREMENTS</b>	MODIFICATION NO. P00004	
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